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# INTELLIGENCE REPORT

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DATE:

25X1A6a INFO.

**SUBJECT** Radio Communications

**DIST. 23 January 1947**

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**PAGES**

**SUPPLEMENT**

## ORIGIN

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### EVALUATION OF SOURCE

## EVALUATION OF CONTENT

1. On account of the big distances involved and the inadequacy of its cable system, Russia is dependent upon radio communications. Direct radio communications exist between all bigger cities and the central station in Moscow. Smaller cities use as a rule 20 kilowatt transmitters only and pass their material on to the nearest bigger city.
2. Direct radio communication between Moscow and distant eastern cities is only possible under extremely favorable receiving conditions. In this part of Russia, the material is passed on from city to city.
3. The so-called "Nine-Channel-System" is used for communications between the different cities of the Soviet Union and Moscow, as for instance between Moscow - Rostow /Don, Moscow - Dniepropetrovsk, and Moscow - Sverdlovsk. This system had not been known in Germany. The "Nine-Channel-System" makes it possible to transmit simultaneously up to nine radio communications with one frequency only. In contrast to the elementary Morse system, it is not possible to listen in when this system is used; it is also impossible to determine how many tubes are being used at the same time. This system of transmission requires a special receiving apparatus which has not yet been developed in Germany. Experts in the radio field are of the opinion that a relay system, similar to the cable radio, is being used.
4. Some of the radio stations, built during the Russian advance, were only meant for temporary use. It was found at the time that the Russian operators lacked technical skill.
5. At the time the mechanical transmitters were installed, it became obvious that the transmitter and receiving equipment, making possible the transmission of 450 to 500 words a minute, was far above the performance of German equipment. It was possible to maintain this speed even during unfavorable weather conditions without impairing the reception in the least.

least.

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Next Review Date: 2008

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NO CHANGE in class

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CTION LISTING MUST BE

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ADSO	X	FBT	SPDF	LVTO	THIS DIST	X
DADSO		FBK	FBY	WARNING NOTICE	FB DEP.	X
EXEC.		FBT	SPDT			X
CONTROL		FBM	FBZ			X
PLANS	X	FBP	SPDA	TRB	X	X

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